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90-890000521

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Comprehensive Assessment Information Rule REPORTING FORM

9.48.41 11 AN 10:26

When completed, send this form to:

Document Processing Center Office of Toxic Substances, TS-790 U.S. Environmental Protection Agency 401 M Street, SW Washington, DC 20460 Attention: CAIR Reporting Office For Agency Use Only:

Date of Receipt:

Document
Control Number:

Docket Number:

| PART | A | GENERAL REPORTING INFORMATION |
|------------|-----|---|
| 1.01 | Th | is Comprehensive Assessment Information Rule (CAIR) Reporting Form has been |
| <u>CBI</u> | co | mpleted in response to the <u>Federal Register</u> Notice of $[\underline{J}]\overline{a}$ $[\underline{a}]\overline{a}$ $[\underline{a}]\overline{a}$ $[\underline{g}]\overline{g}$ |
| [_] | a. | If a Chemical Abstracts Service Number (CAS No.) is provided in the Federal |
| | | Register, list the CAS No |
| | b. | If a chemical substance CAS No. is not provided in the <u>Federal Register</u> , list either (i) the chemical name, (ii) the mixture name, or (iii) the trade name of the chemical substance as provided in the <u>Federal Register</u> . NA |
| | | (i) Chemical name as listed in the rule |
| | | (ii) Name of mixture as listed in the rule |
| | | (iii) Trade name as listed in the rule |
| | c. | If a chemical category is provided in the <u>Federal Register</u> , report the name of the category as listed in the rule, the chemical substance CAS No. you are reporting on which falls under the listed category, and the chemical name of the substance you are reporting on which falls under the listed category. NA |
| | | Name of category as listed in the rule |
| | | CAS No. of chemical substance [_]_]_]_]_]_]_]_]_]_]_]_[_] |
| | | Name of chemical substance |
| 1.02 | Id | entify your reporting status under CAIR by circling the appropriate response(s). |
| CBI | Mai | nufacturer |
| [_] | Imj | oorter 2 |
| | Pro | ocessor |
| | X/I | P manufacturer reporting for customer who is a processor |
| | X/I | Processor reporting for customer who is a processor |
| | | |
| | | |
| | | |

| in the | the substance you are reporting on have an "x/p" designation associated with it e above-listed Federal Register Notice? |
|--------|---|
| No | |
| a. Do | |
| | |
| | you manufacture, import, or process the listed substance and distribute it der a trade name(s) different than that listed in the Federal Register Notice? ircle the appropriate response. |
| | es |
| | neck the appropriate box below: |
| [] | You have chosen to notify your customers of their reporting obligations |
| | Provide the trade name(s) |
| [_ | You have chosen to report for your customers |
| [_ | _] You have submitted the trade name(s) to EPA one day after the effective date of the rule in the <u>Federal Register</u> Notice under which you are reporting. |
| eport | buy a trade name product and are reporting because you were notified of your ing requirements by your trade name supplier, provide that trade name. |
| rade | name BASF Lupranate T80-Type] |
| s the | trade name product a mixture? Circle the appropriate response. |
| es | |
| о | ······································ |
| | ication The person who is responsible for the completion of this form must he certification statement below: |
| ntere | eby certify that, to the best of my knowledge and belief, all information d on this form is complete and accurate." |
| · | Robert Hicks NAME SIGNATURE SIGNATURE DATE SIGNED |
| Pla | nt Manager (319) 338 - 9281 TITLE TELEPHONE NO. |
| ic ic | f you eport rade s the es |

| with the required information within the past 3 years, and t for the time period specified are required to complete secti- now required but not previously | on a CAIR his inform in the rul on 1 of the y submitted | Reporting Form for the mation is current, according the certains CAIR form and provided. Provide a copy of | e listed substance urate, and complete ification below. You ide any information |
|--|---|--|--|
| information which I have not in | ncluded in and is cu | n this CAIR Reporting I | Form has been submitted |
| NAME | | SIGNATURE | DATE SIGNED |
| TITLE | _ (| TELEPHONE NO. | DATE OF PREVIOUS SUBMISSION |
| "My company has taken measures and it will continue to take the been, reasonably ascertainable using legitimate means (other to a judicial or quasi-judicial prinformation is not publicly available." | to protect to protect hese measu by other than disco roceeding) ailable el | tave asserted. NA t the confidentiality res; the information i persons (other than go very based on a showin without my company's sewhere; and disclosur | of the information, s not, and has not evernment bodies) by ag of special need in consent; the se of the information |
| NAME | | SIGNATURE - TELEPHONE NO. | DATE SIGNED |
| | | | |
| | with the required information within the past 3 years, and to the time period specified are required to complete section required but not previously submissions along with your Set I hereby certify that, to the information which I have not it to EPA within the past 3 years period specified in the rule. The NAME TITLE CBI Certification If you have certify that the following state those confidentiality claims with the confidentiality claims with the past 3 years period specified in the rule. The certify that the following state those confidentiality claims with the confidentiality claims with the past 3 years period specified in the rule. The certification is not passed to the past of the p | with the required information on a CAIR within the past 3 years, and this inform for the time period specified in the rule are required to complete section 1 of the now required but not previously submitted submissions along with your Section 1 strainformation which I have not included in the EPA within the past 3 years and is curperiod specified in the rule." NAME TITLE CBI Certification — If you have asserted certify that the following statements to the those confidentiality claims which you have another the second it will continue to take these measures and it will continue to take these measures been, reasonably ascertainable by other using legitimate means (other than discovered a judicial or quasi-judicial proceeding) information is not publicly available elevant of the past of the proceeding information is not publicly available elevant of the past | NAME SIGNATURE (|

| PART | B CORPORATE DATA |
|------------|--|
| 1.09 | Facility Identification |
| <u>CBI</u> | Name [5] h e e f G |
| | |
| | $ \begin{bmatrix} \boxed{\mathbf{I}} \boxed{\mathbf{a}} \end{bmatrix} \begin{bmatrix} \boxed{5} \boxed{2} \boxed{2} \boxed{4} \boxed{0} \boxed{0} \boxed{0} \boxed{0} \boxed{0} $ State |
| | Dun & Bradstreet Number |
| | Employer ID Number |
| | Other SIC Code [3]4]7]1] Other SIC Code []]]]] |
| 1.10 | Company Headquarters Identification |
| <u>CBI</u> | Name [5]h]e]]]]e]r]][6]]]o]b]e]][]o]r]p]o]r]a]+]i]o]u]] Address [7]6]4]]]]][]o]r]+]e]r]]]5]+]r]e]e]]]]]]]]]]] |
| | [D]e]+]r]o]i]+]_]_]_]_]_]_]_]_]_]]]]]]]]]]]] |
| | [<u>M</u>] <u>i</u>] [<u>Y</u>] <u>8</u>] <u>2</u>] <u>i</u>][<u>]</u>]_]_] State |
| | Dun & Bradstreet Number |
| | |
| | |
| [_] 1 | Mark (X) this box if you attach a continuation sheet. |

| 1.11 | Parent Company Identification NA |
|------------|---|
| <u>CBI</u> | Name [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_] |
| | [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_] |
| | [_]_] |
| | Dun & Bradstreet Number |
| 1.12 | Technical Contact |
| <u>CBI</u> | Name [D];]] a m M v r r a y |
| | [<u>I</u>] w a _ C : + y _ - - - - - - - - - - - - - |
| | [<u>I</u>] <u>a</u>] [<u>5</u>] <u>a</u>] <u>a</u>] <u>4</u>] <u>o</u>][<u>]</u>]_] State |
| | Telephone Number |
| 1.13 | This reporting year is from |
| | |
| | |
| | |
| | |
| | |
| [_] i | Mark (X) this box if you attach a continuation sheet. |
| | |

| 1.14 | Facility Acquired If you purchased this facility during the reporting year, provide the following information about the seller: NA |
|--------------|---|
| <u>CBI</u> | Name of Seller [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_] |
| [_] | Mailing Address [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_] |
| | [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_] |
| | [_]_] [_]]]]][_]]]]] State |
| | Employer ID Number |
| | Date of Sale |
| | Contact Person [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_] |
| | Telephone Number |
| 1.15 | Facility Sold If you sold this facility during the reporting year, provide the following information about the buyer: NA |
| <u>CBI</u> | Name of Buyer [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_] |
| [_] | Mailing Address [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]]]]] |
| | [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_] |
| | [_]_] [_]_]_]_][_]_]_]_] State |
| | Employer ID Number |
| | Date of Purchase $[\underline{\ \ \ \ \ \ \ \ \ \ \ }]$ $[\underline{\ \ \ \ \ \ \ \ \ \ }]$ $[\underline{\ \ \ \ \ \ \ \ \ \ }]$ $[\underline{\ \ \ \ \ \ \ \ \ }]$ $[\underline{\ \ \ \ \ \ \ \ \ \ }]$ |
| | Contact Person [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_] |
| | Telephone Number |
| | |
| | |
| [<u> </u>] | Mark (X) this box if you attach a continuation sheet. |

| CBI | was manufactured, imported, or processed at your facility during the | reporting year. |
|-----|---|-----------------|
| [_] | Classification | Quantity (kg/yr |
| | Manufactured | • |
| | Imported | |
| | Processed (include quantity repackaged) | 7045 |
| | Of that quantity manufactured or imported, report that quantity: NA | |
| | In storage at the beginning of the reporting year | • |
| | For on-site use or processing | • |
| | For direct commercial distribution (including export) | • |
| | In storage at the end of the reporting year | • |
| | Of that quantity processed, report that quantity: | |
| | In storage at the beginning of the reporting year | • |
| | Processed as a reactant (chemical producer) | . 408 |
| | Processed as a formulation component (mixture producer) | • |
| | Processed as an article component (article producer) | • |
| | Repackaged (including export) | 6637 |
| | In storage at the end of the reporting year | • |
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| or a component of a mixture chemical. (If the mixture | composition is variable, re | formation for eac | h component |
|---|---|---|---|
| Component Name | Supplier Name | Compositie (specify | rage % on by Weight precision, 45% ± 0.5%) |
| | | | |
| | | Total | 100% |
| | | | |
| | | | |
| | | | |
| | | | |
| | or a component of a mixture chemical. (If the mixture each component chemical for Component | or a component of a mixture, provide the following inchemical. (If the mixture composition is variable, reeach component chemical for all formulations.) NA Component Supplier | or a component of a mixture, provide the following information for each chemical. (If the mixture composition is variable, report an average peach component chemical for all formulations.) Average Composition (specify Name Name e.g., 4 |

| 2.04 | State the quantity of the listed substance that your facility manufactured, imported, or processed during the 3 corporate fiscal years preceding the reporting year in descending order. |
|--------------------|--|
| <u>CBI</u> | |
| [_] | Year ending |
| | Quantity manufactured kg |
| | Quantity imported kg |
| | Quantity processed |
| | Year ending |
| | Quantity manufactured kg |
| | Quantity imported kg |
| | Quantity processed |
| | Year ending |
| | Quantity manufactured kg |
| | Quantity imported kg |
| | Quantity processed |
| 2.05 <u>CBI</u> | Specify the manner in which you manufactured the listed substance. Circle all appropriate process types. NA |
| [_] | |
| | Continuous process |
| | Semicontinuous process |
| | Batch process 3 |
| | |
| [_] | Mark (X) this box if you attach a continuation sheet. |

| 2.06 CBI | Specify the manner in appropriate process ty | | the listed substance. | Circle all |
|--------------------|--|--|--|--|
| [_] | Compainment of the company of the co | | | |
| | Continuous process | | | |
| | Semicontinuous process | • | ••••• | |
| | Batch process | | | |
| 2.07 <u>CBI</u> | State your facility's substance. (If you ar question.) NA | name-plate capacity f e a batch manufacture | for manufacturing or per or batch processor, | rocessing the listed do not answer this |
| [_] | Manufacturing capacity | | | kg/yr |
| | Processing capacity . | • | | kg/yr |
| 2.08 CBI | If you intend to incremanufactured, imported year, estimate the increase volume. | , or processed at any | time after your curr | ent corporate fiscal |
| [_] | | Manufacturing Quantity (kg) | Importing Quantity (kg) | Processing Quantity (kg) |
| | Amount of increase | | | |
| | Amount of decrease | | | 6637 |
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| [_] | Mark (X) this box if yo | ou attach a continuat: | ion sheet. | |
| | | | | |

| 2.09 | listed substance substance durin | argest volume manufacturing or processing proce e, specify the number of days you manufactured g the reporting year. Also specify the average s type was operated. (If only one or two opera | or processed number of h | the listed ours per |
|--------------------|----------------------------------|---|--------------------------|----------------------|
| <u>CBI</u> | | | | |
| [_] | | | Days/Year | Average Hours/Day |
| | Process Type #1 | (The process type involving the largest quantity of the listed substance.) | | |
| | | Manufactured | <u>.</u> | |
| | | Processed | | 3 |
| | Process Type #2 | (The process type involving the 2nd largest quantity of the listed substance.) | | |
| | | Manufactured | | |
| | | Processed | | 6 |
| | Process Type #3 | (The process type involving the 3rd largest quantity of the listed substance.) | | |
| | | Manufactured | | |
| | | Processed | | |
| 2.10 <u>CBI</u> | | um daily inventory and average monthly inventor was stored on-site during the reporting year in | | |
| | Maximum daily in | nventory | • | kg |
| | Average monthly | inventory | • | kg |
| | | | | |
| [_] | Mark (X) this bo | ox if you attach a continuation sheet. | | |

| _] | etc.). N A | | Byproduct, Coproduct | Concentration (%) (specify ± | Source of By products, Coproducts, or |
|----|--|------------------------|--------------------------|------------------------------|--|
| | CAS No. | Chemical Name | or Impurity ¹ | % precision) | Impurities |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | ving codes to designat | e byproduct, copro | duct, or impurity | · |
| | Use the follow B = Byproduct C = Coproduct I = Impurity | ving codes to designat | e byproduct, copro | duct, or impurity | · · · · · · · · · · · · · · · · · · · |
| | B = Byproduct C = Coproduct | ving codes to designat | e byproduct, copro | duct, or impurity | ······································ |
| | B = Byproduct C = Coproduct | wing codes to designat | e byproduct, copro | duct, or impurity | ······································ |
| | B = Byproduct C = Coproduct | wing codes to designat | e byproduct, copro | duct, or impurity | ······································ |

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

| [<u>]</u>] | quantity of listed subs listed under column b., the instructions for fu | and the types of or rther explanation a | end-u | users for each pro an example.) | duct type. (Refer to | | |
|--------------|--|---|---|---|--|--|--|
| | a. Product Types ¹ | b. % of Quantity Manufactured, Imported, or Processed | | c. % of Quantity Used Captively On-Site | d. Type of End-Users ² | | |
| | <i>B</i> | 100 | _ _ _ | | I | | |
| | | | _ | | | | |
| | ¹Ugo the fellowing adde | | | | | | |
| | <pre>1 Use the following code: A = Solvent B = Synthetic reactant C = Catalyst/Initiator. Sensitizer D = Inhibitor/Stabilize Antioxidant E = Analytical reagent F = Chelator/Coagulant. G = Cleanser/Detergent. H = Lubricant/Friction agent I = Surfactant/Emulsifit J = Flame retardant K = Coating/Binder/Adheren</pre> | /Accelerator/ er/Scavenger/ /Sequestrant /Degreaser modifier/Antiwear ier esive and additives | L = M = N = O = O = O = O = O = O = O = O = O | Moldable/Castable Plasticizer Dye/Pigment/Color Photographic/Repr and additives Electrodeposition Fuel and fuel add Explosive chemica Fragrance/Flavor Pollution control Functional fluids Metal alloy and a Rheological modifi Other (specify) | ent/Colorant/Ink and additives chic/Reprographic chemical cives eposition/Plating chemicals fuel additives e chemicals and additives e/Flavor chemicals a control chemicals al fluids and additives coy and additives cal modifier | | |
| | ² Use the following codes I = Industrial CM = Commercial | CS = Cons | umer | | | | |

| Product Types 1 | b. % of Quantity Manufactured, Imported, or Processed | c % of Qua Used Cap On-S | antity ptively | d. |
|---|---|--|--|--|
| | Manufactured, Imported, or Processed | Used Cap | ptively | |
| В | 100 | | - | Type of End-Users ² |
| | | | <u> </u> | ヹ |
| | | | | |
| | | | | |
| Solvent Synthetic reactant Catalyst/Initiator/ Sensitizer Inhibitor/Stabilize Antioxidant Analytical reagent Chelator/Coagulant/ Cleanser/Detergent/ Lubricant/Friction agent Surfactant/Emulsifi Flame retardant | Accelerator/ er/Scavenger/ Sequestrant Degreaser modifier/Antiwear | L = Moldable M = Plastici N = Dye/Pigm O = Photogra and addi P = Electrod Q = Fuel and R = Explosiv S = Fragranc T = Pollutio U = Function V = Metal al W = Rheologi | zer ment/Colora mphic/Repro tives eposition/ fuel addi e chemical e/Flavor c n control al fluids loy and ad cal modifi | nt/Ink and additive graphic chemical Plating chemicals tives s and additives hemicals chemicals and additives ditives |
| the following codes | to designate the | type of end-u | sers: | |
| | | | | |
| | Solvent Synthetic reactant Catalyst/Initiator/ Sensitizer Inhibitor/Stabilize Antioxidant Analytical reagent Chelator/Coagulant/ Cleanser/Detergent/ Lubricant/Friction agent Surfactant/Emulsifi Flame retardant Coating/Binder/Adhe | Solvent Synthetic reactant Catalyst/Initiator/Accelerator/ Sensitizer Inhibitor/Stabilizer/Scavenger/ Antioxidant Analytical reagent Chelator/Coagulant/Sequestrant Cleanser/Detergent/Degreaser Lubricant/Friction modifier/Antiwear agent Surfactant/Emulsifier Flame retardant Coating/Binder/Adhesive and additives the following codes to designate the Industrial CS = Cons | Synthetic reactant Catalyst/Initiator/Accelerator/ Sensitizer Inhibitor/Stabilizer/Scavenger/ Antioxidant Analytical reagent Chelator/Coagulant/Sequestrant Cleanser/Detergent/Degreaser Lubricant/Friction modifier/Antiwear Surfactant/Emulsifier Flame retardant V = Rheologi Coating/Binder/Adhesive and additives X = Other (s Industrial M = Plastici N = Plastici N = Dye/Pigm and addi N = Flactrod N = Electrod N = Electrod N = Electrod N = Fuel and N = Fragranc U = Function N = Plastici N = Dye/Pigm And addi N = Flaviand Addi N = Explosiv N = Fragranc V = Function N = Plastici N = Dye/Pigm And addi | Solvent Synthetic reactant Catalyst/Initiator/Accelerator/ Sensitizer Inhibitor/Stabilizer/Scavenger/ Analytical reagent Cleanser/Detergent/Degreaser Lubricant/Friction modifier/Antiwear Surfactant/Emulsifier Flame retardant Coating/Binder/Adhesive and additives L = Moldable/Castable/ M = Plasticizer N = Dye/Pigment/Colora O = Photographic/Repro and additives P = Electrodeposition/ Q = Fuel and fuel additives R = Explosive chemical S = Fragrance/Flavor or T = Pollution control U = Functional fluids V = Metal alloy and ad Flame retardant V = Rheological modifit Coating/Binder/Adhesive and additives X = Other (specify) the following codes to designate the type of end-users: Industrial CS = Consumer |

| | b. | c. Average % Composition of | d. |
|--|---|--|----------------------|
| Product Type ¹ | Final Product's Physical Form ² | Listed Substance in Final Product | Type of End-Users |
| | rnysical roim | In Final Floudet | End-osets |
| | | | |
| | | | |
| ¹ Use the following (| codes to designate pro | | |
| A = Solvent | codes to designate pro | L = Moldable/Castable | ·/Rubber and add |
| <pre>B = Synthetic react C = Catalyst/Initia</pre> | | <pre>M = Plasticizer N = Dye/Pigment/Color</pre> | cant/Ink and add: |
| Sensitizer D = Inhibitor/Stabi | ilizer/Scavenger/ | <pre>0 = Photographic/Repr and additives</pre> | rographic chemica |
| Antioxidant | _ | P = Electrodeposition | |
| E = Analytical reag | | Q = Fuel and fuel add | |
| <pre>F = Chelator/Coagul G = Cleanser/Deterg</pre> | | <pre>R = Explosive chemica S = Fragrance/Flavor</pre> | |
| H = Lubricant/Frict | ion modifier/Antiwear | T = Pollution control | |
| agent | | U = Functional fluids | and additives |
| I = Surfactant/Emul | | V = Metal alloy and a | |
| <pre>J = Flame retardant K = Coating/Binder/</pre> | | <pre>W = Rheological modif s X = Other (specify)</pre> | :1er |
| ² Use the following o | | final product's physic | al form: |
| A = Gas | | stalline solid | |
| <pre>B = Liquid C = Aqueous solution</pre> | F3 = Gra | nuies er solid | |
| D = Paste | G = Gel | | |
| E = Slurry F1 = Powder | H = Oth | er (specify) | |
| ³ Use the following o | odes to designate the | | |
| | CS = Con | | |
| I = Industrial CM = Commercial | H = 0th | er (specify) | |

| 2.15 <u>CBI</u> | Circ list | le all applicable modes of transportation used to deliver bulk shipments o ed substance to off-site customers. | f the |
|--------------------|--------------|---|-------------|
| [_] | Truc | k | (1 |
| | Rail | car | 2 |
| | Barge | e, Vessel | 3 |
| | Pipe: | line | 4 |
| | Plane | e | 5 |
| | 0the | r (specify) | 6 |
| 2.16 CBI | or p | omer Use Estimate the quantity of the listed substance used by your custepared by your customers during the reporting year for use under each cate and use listed (i-iv). | tomers |
| [_] | Cate | gory of End Use | |
| | i. | Industrial Products | |
| | | Chemical or mixture | _ kg/yr |
| | | Article | _ kg/yr |
| | ii. | Commercial Products | |
| | | Chemical or mixture | _ kg/yr |
| | | Article | _kg/yr |
| | iii. | Consumer Products | |
| | | Chemical or mixture | _ kg/yr |
| | | Article | _kg/yr |
| | iv. | <u>Other</u> | |
| | | Distribution (excluding export) | kg/yr |
| | | Export | kg/yr |
| | | Quantity of substance consumed as reactant | kg/yr |
| | | Unknown customer uses | kg/yr |
| | | | |
| [_] | Mark | (X) this box if you attach a continuation sheet. | |
| | | | |

| | SECTION 3 PROCESSOR RAW MATERIAL IDEN | | |
|--------------------|--|---|---|
| PART | A GENERAL DATA | | |
| 3.01 <u>CBI</u> | Specify the quantity purchased and the average price p for each major source of supply listed. Product trade The average price is the market value of the product t substance. NA | s are treated as | purchases. |
| · | Source of Supply | Quantity (kg) | Average Price (\$/kg) |
| | The listed substance was manufactured on-site. | | |
| | The listed substance was transferred from a different company site. | | |
| | The listed substance was purchased directly from a manufacturer or importer. | | *************************************** |
| | The listed substance was purchased from a distributor or repackager. | | |
| | The listed substance was purchased from a mixture producer. | | |
| 3.02 CBI | Circle all applicable modes of transportation used to your facility. NA | deliver the liste | d substance to |
| [_] | Truck | • • • • • • • • • • • • • • • • • • | |
| | Railcar | • • • • • • • • • • • • • • • • • • • | 2 |
| | Barge, Vessel | • | 3 |
| | Pipeline | | |
| | Plane | • | 5 |
| | Other (specify) | • | 6 |
| | | | |
| | | | |
| | | | |
| [_] | Mark (X) this box if you attach a continuation sheet. | | |

| o transport the listed substance | a. | e to your |
|---|------|-----------|
| • | | |
| • | | 2 |
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| | | 6 |
| • | | 7 |
| • | | 8 |
| • | | 9 |
| • | | 10 |
| in pressurized tank cylinders, te of the tanks. | | tank rail |
| | | mmHg |
| | | mmHg |
| | • | mmHg |
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| | | |
| on sheet. | Mark | |

| of the mixture, the I average percent com | name of its supplier(s | form of a mixture, list the of or manufacturer(s), an est the more in the morting year. NA | imate of the |
|--|------------------------------------|--|--------------------------------|
| Trade Name | Supplier or <u>Manufacturer</u> | Average % Composition by Weight (specify ± % precision) | Amount Processed (kg/yr) |
| | | | |
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| .05 BI | reporting year in the form | listed substance used as a mof a class I chemical, class by weight, of the listed subs | ss II chemical, or polymer, and |
|-----------|----------------------------|--|--|
| | | Quantity Used (kg/yr) | % Composition by Weight of Listed Sub- stance in Raw Material (specify <u>+</u> % precision |
| | Class I chemical | <u> 7045</u> | |
| | | | |
| | Class II chemical | | |
| | | | |
| | Polymer | | |
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| | SEC | TION 4 PHYSICAL/CHEMIC | CAL PROPERTIES | |
|--|--|--|--|------------------------------------|
| Gene | ral Instructions: | | | |
| If you | ou are reporting on a mix at are inappropriate to m | ture as defined in the ixtures by stating "NA | glossary, reply to que mixture." | uestions in Section |
| notio | questions 4.06-4.15, if y ce that addresses the inf imile in lieu of answerin | ormation requested, you | may submit a copy or | pel, MSDS, or other reasonable |
| PART | A PHYSICAL/CHEMICAL DATA | A SUMMARY | | |
| 4.01 CBI [_] | Specify the percent pursubstance as it is manusubstance in the final import the substance, or | factured, imported, or product form for manufa | processed. Measure tecturing activities, a | the purity of the |
| | | Manufacture | Import | Process |
| | Technical grade #1 | % purity | % purity | <i> </i> 00_% purity |
| | Technical grade #2 | % purity | % purity | % purity |
| | Technical grade #3 | % purity | % purity | % purity |
| | ¹ Major = Greatest quanti | ity of listed substance | manufactured, import | ed or processed. |
| 4.02 | Submit your most recent? substance, and for every an MSDS that you develop version. Indicate wheth appropriate response. | y formulation containing oed and an MSDS develope | g the listed substanc ed by a different sou | e. If you possess rce, submit your |
| | Yes | , | | |

| | Another | source | ••••• | • • • • • • • | • • • • • • | | • • • • • • | • • • • • • | • • • • • • • | • • • • • • • • | 2 |
|-----|----------|----------|------------|---------------|-------------|--------|-------------|-------------|-------------------|-----------------|---|
| [_] | Mark (X) |) this b | oox if you | attach | a conti | nuatio | n sheet | • | | | |
| | | | | | - |) 5 | | | | · | |

No

Indicate whether the MSDS was developed by your company or by a different source.

Your company

2

1

| 4.03 | Submit a copy or reasonable facsimile of any hazard information (other than an MSDS) that is provided to your customers/users regarding the listed substance or any formulation containing the listed substance. Indicate whether this information has been submitted by circling the appropriate response. |
|-------------|---|
| | Yes 1 |
| | No ② |
| 4.04 CBI | For each activity that uses the listed substance, circle all the applicable number(s) corresponding to each physical state of the listed substance during the activity listed. Physical states for importing and processing activities are determined at the time you import or begin to process the listed substance. Physical states for manufacturing, storage, disposal and transport activities are determined using the |
| [_] | final state of the product. |
| | Physical State |
| | 1 |

| | Physical State | | | | | | | |
|-------------|----------------|--------|--------|------------------|-----|--|--|--|
| Activity | Solid | Slurry | Liquid | Liquified Gas | Gas | | | |
| Manufacture | 1 | 2 | 3 | 4 | 5 | | | |
| Import | 1 | 2 | 3 | 4 | 5 | | | |
| Process | 1 | 2 | 3 | 4 | 5 | | | |
| Store | 1 | 2 | 3 | 4 | 5 | | | |
| Dispose | 1 | 2 | 3 | 4 | 5 | | | |
| Transport | 1 | 2 | 3 | 4 | 5 | | | |

| p p i 1 | ercentag articles mporting isted su | activities, indica e distribution of t ≥10 microns in dia and processing act bstance. Measure t disposal and transp | he listed subs meter. Measur ivities at the he physical st | tance by e the ph time yo ate and | activity ysical st ou import particle | or beging the sizes of the size | not includ I particle In to proc For manufa | le sizes for cess the cturing |
|------------------|--|---|---|--|--|--|--|--|
| P | hysical State | | Manufacture | Import | Process | Store | Dispose | Transport |
| D | ust | <1 micron | | | | | | |
| | | 1 to <5 microns | | | | | | |
| | | 5 to <10 microns | | | | | | |
| P | owder | <1 micron | - | | | | | |
| | | 1 to <5 microns | | | | | | |
| | | 5 to <10 microns | | | | | | ······································ |
| F | iber | <1 micron | | | | | | |
| | | 1 to <5 microns | | | | | | |
| | | 5 to <10 microns | | | | | 1 212 212 | |
| Ae | erosol | <1 micron | | | | | | |
| | | 1 to <5 microns | | | | | | |
| | | 5 to <10 microns | | | | | | |
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| | RATE CONSTANTS AND TRANSFORMATION PRODUCTS | |
|----|--|------|
| In | dicate the rate constants for the following transformation processes. \mathcal{DK} | |
| a. | Photolysis: | |
| | Absorption spectrum coefficient (peak) (1/M cm) at | _ nm |
| | Reaction quantum yield, 6 at at | _ nm |
| | Direct photolysis rate constant, k_p , at 1/hr 1 | atit |
| b. | Oxidation constants at 25°C: | |
| | For ¹ 0 ₂ (singlet oxygen), k _{ox} | _ 1/ |
| | For RO ₂ (peroxy radical), k _{ox} | |
| c. | Five-day biochemical oxygen demand, BOD ₅ | |
| d. | Biotransformation rate constant: | |
| | For bacterial transformation in water, k _b | _ 1/ |
| | Specify culture | |
| e. | Hydrolysis rate constants: | _ |
| | For base-promoted process, k _B | 1/ |
| | For acid-promoted process, k _A | |
| | For neutral process, k _N | |
| f. | Chemical reduction rate (specify conditions) | |
| | | - |
| g. | Other (such as spontaneous degradation) | - |

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| PART | В | ARTITION | COEFFICIENT | S | | | | | |
|------------|------|---|-------------------------------|------------|-----------|------------|--------------------------|----------|--|
| 5.02 | a. | Specify | the half-li | fe of the | listed su | bstance i | n the followi | ng media | a. DK |
| | | Media | | | | <u>Hal</u> | f-life (speci | fy units | s) |
| | | Groundw | ater | | | | | | |
| | | Atmosph | | | | | | | The state of the s |
| | | Surface | | | | | | | |
| | | Soil | "" | | | | | | |
| | b. | Identif | y the listed eater than 24 | | 's known | transform | ation product | s that h | nave a half- |
| | | (| CAS No. | | Name | | alf-life ecify units) | | Media |
| | | • | | | | | | in | |
| | | | | | | | | • | |
| | | *************************************** | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 5.03 DK | | | | | | _ | w · · · | | |
| 5.04 DK | | | | | | | | | |
| 5.05 DK | Spec | cify the | organic carb | on-water p | partition | ••••• | | | at 25°C |
| 5.06 DK | Spec | cify the | Henry's Law | Constant, | Н | ••••• | ••• | | _atm-m³/mole |
| [_] | Mark | (X) thi | s box if you | attach a | continuat | ion sheet | | | |

| it was determined, and the | | *** |
|--|--------------------------------|-------------|
| Bioconcentration Factor | <u>Species</u> | <u>Test</u> |
| | | |
| | | |
| ¹ Use the following codes | to designate the type of test: | |
| F = Flowthrough S = Static | | |
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| 6.04 <u>CBI</u> | For each market listed below, state the the listed substance sold or transferr | | |
|--------------------|--|---|---|
| [_] | Market | Quantity Sold or Transferred (kg/yr) | Total Sales Value (\$/yr) |
| | Retail sales | | |
| | Distribution Wholesalers | | |
| | Distribution Retailers | | |
| | Intra-company transfer | | |
| | Repackagers | | |
| | Mixture producers | | |
| | Article producers | | |
| | Other chemical manufacturers or processors | | |
| | Exporters | | |
| | Other (specify) | | |
| 6.05 CBI | Substitutes List all known commerciator the listed substance and state the feasible substitute is one which is ecin your current operation, and which reperformance in its end uses. | cost of each substitut onomically and technolo | e. A commercially gically feasible to use |
| () | Substitute | | Cost (\$/kg) |
| | MOI | | DK |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| [_] | Mark (X) this box if you attach a conti | inuation sheet. | |

SECTION 7 MANUFACTURING AND PROCESSING INFORMATION

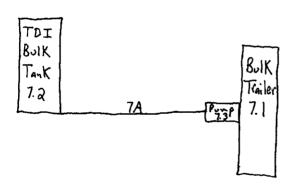
General Instructions:

For questions 7.04-7.06, provide a separate response for each process block flow diagram provided in questions 7.01, 7.02, and 7.03. Identify the process type from which the information is extracted.

PART A MANUFACTURING AND PROCESSING PROCESS TYPE DESCRIPTION

7.01 In accordance with the instructions, provide a process block flow diagram showing the major (greatest volume) process type involving the listed substance.
CBI

[_] Process type Repackaged

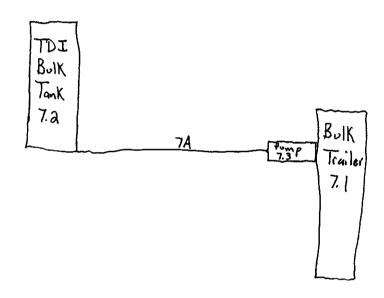


[] Mark (X) this box if you attach a continuation sheet.

7.03 In accordance with the instructions, provide a process block flow diagram showing all process emission streams and emission points that contain the listed substance and which, if combined, would total at least 90 percent of all facility emissions if not treated before emission into the environment. If all such emissions are released from one process type, provide a process block flow diagram using the instructions for question 7.01. If all such emissions are released from more than one process type, provide a process block flow diagram showing each process type as a separate block.

CBI

__] Process type Repackaged



TDI Emissions

- O 7.2 TOI Bulk Tank Vent
- @ 7.1 TDI Bulk Trailer Vent
- 3 7.3 TOI Pump

^[] Mark (X) this box if you attach a continuation sheet.

| 7.04 CBI | process bloc | typical equipment types k flow diagram(s). If a cess type, photocopy thi | process block flo | w diagram is pro | vided for more |
|-------------|-----------------------------------|--|--|----------------------------------|-----------------------|
| [_] | Process type | Repackaged | | | |
| | Unit Operation ID Number | Typical Equipment Type | Operating Temperature Range (°C) | Operating Pressure Range (mm Hg) | Vessel Composition |
| | 7.1 | Stainless Steel Tanker | <u>15-25</u> | OK | Stainless Ste |
| | _7.2 | Steel Tank | | DK | Steel |
| | 7.3 | Gear Pump | 15-25 | D K | Steel |
| | | | | | |
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| | Mark (V) 41. | s box if you attach a cor | | | |

| 7.05 | process block fl | cocess stream identified in you ow diagram is provided for m uplete it separately for each | ore than one process type | agram(s). If a e, photocopy thi |
|------------|--|--|--------------------------------------|------------------------------------|
| <u>CBI</u> | | | | |
| [_] | Process type | ···· Repackaging | | |
| | Process Stream ID Code | Process Stream Description | Physical State ¹ | Stream Flow (kg/yr) |
| | 7A | ToI | <u> </u> | 6637 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | GC = Gas (conde GU = Gas (uncon SO = Solid SY = Sludge or AL = Aqueous li OL = Organic li | quid | e and pressure) ure and pressure) | |
| · | Mark (X) this bo | x if you attach a continuation | on sheet. | |

| J | Process type | e b. | c. | d. | e. |
|--------|------------------------------|-----------------|--|--------------------------------|-------------------------------------|
| | Process Stream ID Code | Known Compounds | Concen- trations ^{2,3} (% or ppm) | Other Expected Compounds | Estimated Concentration: (% or ppm) |
| | 7A | TOI | | NA | NA |
| | | | | | |
| | | | · | | |
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| | | | | | 414 |
| 06 | continued be | ≥low | | | |
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| 7 01 | |
|------|-------------|
| 7.06 | (continued) |

2

¹For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column b. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

| Additive Package Number | Components of Additive Package | Concentrations (% or ppm) |
|--|----------------------------------|------------------------------|
| 1 | NA | NA |
| | | |
| 2 | · | |
| | | |
| 3 | | |
| | | |
| , | | |
| 4 | - | |
| | | |
| 5 | | |
| | | |
| se the following codes | to designate how the concentrati | on was determined: |
| = Analytical result= Engineering judgemen | | |
| se the following codes | to designate how the concentrati | on was measured: |
| <pre>= Volume = Weight</pre> | | |
| | | |

[] Mark (X) this box if you attach a continuation sheet.

| PART A RESIDUAL TREATMENT PROCESS DESCRIPTION | | | | | | | |
|---|--|--|--|--|--|--|--|
| 8.01 | In accordance with the instructions, provide a residual treatment block flow diagram which describes the treatment process used for residuals identified in question 7.01. | | | | | | |
| CBI | | | | | | | |
| [_] | Process type Repackaging | | | | | | |

TD1

BUK

Tank

8-1

8A

Para 8B

23

[_] Mark (X) this box if you attach a continuation sheet.

| 8.05 <u>CBI</u> | Characterize each process stream identified in your residual treatment block flow diagram(s). If a residual treatment block flow diagram is provided for more than on process type, photocopy this question and complete it separately for each process type. (Refer to the instructions for further explanation and an example.) | | | | | | | |
|--------------------|---|-------------------------------|--|---------------------------------|---|--------------------------------|---------------------------------------|--|
| [_] | a. b. c. d. e. f. g. | | | | | | | |
| | Stream ID Code | Type of Hazardous Waste | Physical State of Residual ² | Known Compounds ³ | Concentra- tions (% or ppm) ⁴ ,5,6 | Other Expected Compounds | Estimated Concen- trations (% or ppm) | |
| | _8A | Tol (R) (T) (H) | <u> </u> | TOI | 100% | NA | | |
| | _88_ | TOI (R) (T) (H) | | Tol | 100% | NA | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 3.05 | continu | ed below | | | | | | |

8.05 (continued) ¹Use the following codes to designate the type of hazardous waste: I = Ignitable C = Corrosive R = ReactiveE = EP toxicT = ToxicH = Acutely hazardous ²Use the following codes to designate the physical state of the residual: GC = Gas (condensible at ambient temperature and pressure) GU = Gas (uncondensible at ambient temperature and pressure) SO = SolidSY = Sludge or slurry AL = Aqueous liquid OL = Organic liquid IL = Immiscible liquid (specify phases, e.g., 90% water, 10% toluene)

8.05 continued below

[] Mark (X) this box if you attach a continuation sheet.

| 8.05 | (continued) | | |
|------|-------------|--|--|
| | | | |

| | Additive Package Number | <u> </u> | Components of Additive Package | | Concentrations (% or ppm) |
|-------|-----------------------------------|---------------|-----------------------------------|-------------------------|------------------------------|
| | 1 | - | NA. | | NA |
| | 2 | - | NA | | NA |
| | 3 | - | | | |
| | 4 | - | | | |
| | 5 | | | - - - | |
| 4 | ⁴ Use the followi | ng codes to d | esignate how the conce | - - entration was | determined: |
| | A = Analytical E = Engineering | result | | | |
| 8.05 | continued below | | | | |
| [_] } | Mark (X) this bo | x if you atta | ch a continuation shee | et. | |

³For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column d. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

| | 5Use the fo | ollowing codes | to designate how the concent | tration was measured: | | | | | |
|--|---|---------------------------------------|-------------------------------|---|--|--|--|--|--|
| | 5 Use the following codes to designate how the concentration was measured: V = V olume W = W eight | | | | | | | | |
| | | | | | | | | | |
| | ⁶ Specify th | ne analytical t | test methods used and their d | detection limits in the table list those codes in column e. | | | | | |
| | below. As | ssign a code to | each test method used and i | tist those codes in column e. | | | | | |
| | | | | Detection L | | | | | |
| | Code | | Method | (<u>+</u> ug/l) | | | | | |
| | _1 | DK | | | | | | | |
| | | DK | | | | | | | |
| | _3 | | | | | | | | |
| | _4 | | | | | | | | |
| | _5 | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| | _6 | | | | | | | | |
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| 8.06 | diagram process | erize each particles). If a restriction in the type, photo- (Refer to the content of the content | esidual trea copy this qu | atment block sestion and c | flow diag complete i | ram is pro t separate | vided for mo ly for each | re than one process |
|------|----------------------|--|---|-----------------------------------|-------------------------|--------------------------------|------------------------------|-------------------------------------|
| CBI | | | Ď t | | | | | |
| [_] | Process | type | ··· <u>Kepack</u> | aging | | | | |
| | a. | b. | с. | d. | е | | f. Costs for | g. |
| | Stream ID Code | Waste Description Code ¹ | Management Method Code ² | Residual Quantities (kg/yr) | of Resi | gement dual (%) Off-Site | Off-Site Management (per kg) | Changes in Management Methods |
| | 8A | <u> </u> | OL | ٥ | | 100 | NA | <u> </u> |
| | | | | | | | | |
| | 8B | - R, T, H | OL | 900 | | 100 | NA | 25 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | 47.77 | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | _ | e codes provi e codes provi | | | | | | |
| [_] | Mark (X |) this box is | f you attach | ı a continuat | ion sheet | • | | |

| [_] | | Ch | Combustion Chamber Temperature (°C) | | tion of erature nitor | In Cor | Residence Time In Combustion Chamber (seconds) | | |
|---------------------|--|--|--|--|---|--|--|--|--|
| | Incinerator | Primary | Secondary | Primary | Secondary | Primary | Secondar | | |
| | 1 | | *************************************** | | | | | | |
| | 22 | ***** | | | | | | | |
| | 3 | | | | | | | | |
| | Indicate by circl | if Office | of Solid Wast ropriate resp | e survey has | s been submit | ted in lieu | of response | | |
| | Yes | • • • • • • • • • • • | • • • • • • • • • • • • • | • • • • • • • • • • • | • • • • • • • • • • • • • | · • • • • • • • • • • • • • • • • • • • | ••••• | | |
| | No | • • • • • • • • • • • • • | • | • • • • • • • • • • • • • | • | • • • • • • • • • • • • | • • • • • • • • • • | | |
| 3.23 2 <u>BI</u> | Complete the fare used on-si treatment bloc | te to burn t | the residuals | hree largest identified | t (by capacit in your proc | y) incinerat ess block or | ors that residual | | |
| | are used on-si | te to burn t | the residuals ram(s). <i>NA</i> | identified | t (by capacit in your proc | ess block or Types Emission Avail | residual of s Data | | |
| CBI | Incinerator | te to burn t | the residuals ram(s). <i>NA</i> Air Po | identified | t (by capacit in your proc | ess block or Types Emission | residual of s Data | | |
| CBI | Incinerator | te to burn t | the residuals ram(s). <i>NA</i> Air Po | identified | t (by capacit in your proc | ess block or Types Emission | residual of s Data | | |
| CBI | Incinerator 2 Indicate | te to burn to k flow diagn | the residuals ram(s). <i>NA</i> Air Po | identified llution Device survey has | in your proc | ess block or Types Emission Avail | residual of s Data able | | |
| CBI | Incinerator 1 2 Indicate by circl | if Office o | Air Po Control | llution Device | in your proc | Types Emission Avail | of s Data able | | |
| CBI | Incinerator 1 2 Indicate by circl Yes | if Office of the approximate to burn the following the approximate the approxi | Air Po Control | llution Device | in your proc | Types Emission Avail | of s Data able of response | | |
| <u>CBI</u> | Incinerator 1 2 Indicate by circl Yes | if Office of the approximate to burn the following the approximate the approximate the approximate the following the following the approximate the following the following the approximate the following the approximate the following the approximate the following the following the approximate the following the following the approximate the following the following the following the following the following the approximate the following | Air Po Control | llution Device | been submit | Types Emission Avail | of s Data able of response | | |

PART A EMPLOYMENT AND POTENTIAL EXPOSURE PROFILE

9.01 Mark (X) the appropriate column to indicate whether your company maintains records on the following data elements for hourly and salaried workers. Specify for each data element the year in which you began maintaining records and the number of years the records for that data element are maintained. (Refer to the instructions for further explanation and an example.)

| <u>Data Element</u> | Data are Ma Hourly Workers | intained for: Salaried Workers | Year in Which Data Collection Began | Number of Years Records Are Maintained |
|---|----------------------------------|--------------------------------------|---|--|
| Date of hire | X | X | 1964 | OK |
| Age at hire | X | X | 1964 | DK |
| Work history of individual before employment at your facility | NA | NA | NA | DX |
| Sex | X | X | 1964 | DK |
| Race | <u> </u> | X | 1964 | DK |
| Job titles | X | X | 1964 | DK |
| Start date for each job title | X | Χ | 1964 | DK |
| End date for each job title | <u> </u> | X | 1964 | DK |
| Work area industrial hygiene monitoring data | <u>x</u> | X | 1964 | DK |
| Personal employee monitoring data | X_ | X | 1964 | <u>DK</u> |
| Employee medical history | X | χ | | DK |
| Employee smoking history | NA | NA | <u>NA</u> | DK |
| Accident history | NA | NA | NA | DK |
| Retirement date | <u> </u> | X | 1964 | DK |
| Termination date | χ | X | 1964 | DK |
| Vital status of retirees | NA | NA | NA | DK |
| Cause of death data | NA_ | <u> </u> | NA | DK |

| [_] | Mark | (X) | this | box | if | you | attach | а | continuation | sheet |
|-----|------|-----|------|-----|----|-----|--------|---|--------------|-------|
|-----|------|-----|------|-----|----|-----|--------|---|--------------|-------|

| <u>I</u> | in which you engage. | | | | |
|----------|----------------------|--------------------|-------------------------|------------------|---------------------|
| _] | a. | b. | c. | d. | e. |
| | Activity | Process Category | Yearly Quantity (kg) | Total Workers | Total Worker-Hou |
| | Manufacture of the | Enclosed | | | |
| | listed substance | Controlled Release | | | |
| | | 0pen | | | |
| | On-site use as | Enclosed | 7045 | | 9 |
| | reactant | Controlled Release | | | |
| | | 0pen | | | |
| | On-site use as | Enclosed | | | |
| | nonreactant | Controlled Release | | | |
| | | 0pen | | | |
| | On-site preparation | Enclosed | | | |
| | of products | Controlled Release | | | |
| | | 0pen | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| encompasses workers listed substance. | e job title for each labor category at your facility that who may potentially come in contact with or be exposed to the |
|---------------------------------------|---|
| | |
| Labor Category | Descriptive Job Title |
| A | |
| В | Chemist |
| С | Foam Compounder |
| D | |
| E | |
| F | |
| G | |
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| | |
| | encompasses workers listed substance. Labor Category A B C D E |

| 9.04 | In accordance with the instructions, provide your process block flow diagram(s) and indicate associated work areas. |
|------------|---|
| <u>CBI</u> | Process type Lepackaging |
| 9.1 | Tank Tank Tank Tank Trailer Truck Truck Truck |

| 9.05 CBI | may potentially come i additional areas not s | ork area(s) shown in question 9.04 that encompass workers who n contact with or be exposed to the listed substance. Add any hown in the process block flow diagram in question 7.01 or question and complete it separately for each process type. |
|-------------|---|---|
| [_] | Process type | Repackaging |
| | Work Area ID | Description of Work Areas and Worker Activities |
| | 1 | |
| | 2 | Tank Farm Loading Dock |
| | | Loading Dock |
| | 3 | |
| | 4 | |
| | 5 | |
| | 6 | |
| | 7 | |
| | 8 | |
| | 9 | |
| | 10 | |
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| _] | Mark (X) this box if you | ou attach a continuation sheet. |

| 9.06 | each labor of come in cont | ategory at you act with or be | ole for each wo or facility that e exposed to the | t encompas e listed s | ses worke: ubstance. | rs who may pot Photocopy th | entially |
|------------|--|--|---|--------------------------|---|--|--|
| <u>CBI</u> | - | | for each proc | ess type a | nd work a | rea. | |
| [_] | Process type | : <u>Reg</u> e | uckaging | | | | |
| | Work area | | | • • • • • • • • • | <u>T</u> a | NK Form, Load | ing Dock |
| | Labor <u>Category</u> | Number of Workers Exposed | Mode of Exposu (e.g., dir skin conta | re S | hysical tate of Listed bstance | Average Length of Exposure Per Day ² | Number of Days per Year Exposed |
| | C | 1 | Inhalation | 1 | OL | D | 1 |
| | C | | In halation | | ٥٢ | | |
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| | | lowing codes tf exposure: | o designate th | e physical | state of | the listed su | bstance at |
| | GC = Gas (tempe GU = Gas (tempe inclu SO = Solid | AL = Aqu OL = Org IL = Imu (s) | | uid uid | | | |
| | ² Use the fol | lowing codes t | o designate av | erage leng | th of expo | osure per day: | |
| | exceedi | tes or less than 15 minut ng 1 hour than one hour ng 2 hours | • | exce E = Grea exce | eeding 4 h | 4 hours, but nours | |

| 9.07 <u>CBI</u> | Weighted Average (| egory represented in question 9.06, TWA) exposure levels and the 15-min stion and complete it separately fo | ute peak exposure levels. |
|--------------------|---|---|---|
| <u>==</u> 1 | Process type | ·· Repackaging | |
| | Work area | <u>Ta</u> | ank Farm, Loading Dock |
| | Labor Category | 8-hour TWA Exposure Level (ppm, mg/m³, other-specify) | 15-Minute Peak Exposure Level (ppm, mg/m³, other-specify) |
| | | OK | DK |
| | | | |
| | | | |
| | | | |
| | | | |
| | 432-44-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4 | | |
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| [<u></u>] | Mark (X) this box i | if you attach a continuation sheet. | |

| 9.08 CBI | If you monitor worked | r exposur | e to the li | sted substa | nce, compl | lete the fo | llowing table |
|-------------|---|--|--|------------------------------------|-----------------------------|-------------------------------|--|
| [_] | Sample/Test | Work Area ID | Testing Frequency (per year) | Number of Samples (per test) | Who Samples ¹ | Analyzed In-House (Y/N) | Number of Years Records Maintained |
| | Personal breathing zone | | | | | | |
| | General work area (air) | ************************************** | | | | <u></u> | |
| | Wipe samples | | | | | | |
| | Adhesive patches | | | | | | - |
| | Blood samples | | | | | | |
| | Urine samples | <u></u> | | | | | |
| | Respiratory samples | | | | | | |
| | Allergy tests | | | | | | |
| | Other (specify) | | | | | | |
| | Other (specify) | | and the second s | | | | |
| | Other (specify) | | | | | | |
| | ¹ Use the following c A = Plant industria B = Insurance carri C = OSHA consultant D = Other (specify) | l hygieni: | | takes the | monitorin | g samples: | |

| _] | Sample Type | | Sampling and Analyt | ical Methodolo | <u>ogy</u> |
|----------|--|---|---------------------------------------|------------------------|-------------|
| | | | | | |
| | | | | | |
| 10 | If you conduct personspecify the following | | | | substance, |
| <u>I</u> | Equipment Type ¹ | Detection Limit | ² Manufacturer | Averaging Time (hr) | Model Numbe |
| | | - | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | ¹ Use the following c A = Passive dosimet | | personal air monit | oring equipmen | t types: |
| | B = Detector tube C = Charcoal filtra D = Other (specify) | tion tube with pu | mp | | |
| | | | ambient air monito | ring equipment | types: |
| | <pre>E = Stationary moni F = Stationary moni G = Stationary moni H = Mobile monitori I = Other (specify)</pre> | tors located with tors located at p ng equipment (spe | in facility lant boundary cify) | | |
| | ² Use the following c | | | its: | |
| | A = ppm B = Fibers/cubic ce C = Micrograms/cubi | ntimeter (f/cc) c meter (µ/m³) | | | |
| | | | | | |

| | | Frequency |
|---|-------------------------|---------------------------------|
|] | <u>Test Description</u> | (weekly, monthly, yearly, etc.) |
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| 9.12 CBI | Describe the engineering co to the listed substance. P process type and work area. | ntrols that you hotocopy this o | u use to reduce or question and comple | eliminate won te it separa | rker exposure tely for each |
|-------------|--|---|--|-------------------------------|--------------------------------|
| [_] | Process type | · Repartagin | 4 | | |
| | Work area | 7 | | Tank Farm, | Loading Dock |
| | Engineering Controls | Used (Y/N) | Year Installed | Upgraded (Y/N) | Year Upgraded |
| | Ventilation: | | | | |
| | Local exhaust | N | NA | NA_ | |
| | General dilution | Y | <u> </u> | <u> </u> | |
| | Other (specify) | | | | |
| | Vessel emission controls | | NA, | NA | |
| | Mechanical loading or packaging equipment | <u> </u> | 1964 | <u> </u> | |
| | Other (specify) | | | | |
| | | 1.61 - 11 - 11 - 11 - 11 - 11 - 11 - 11 | | | |
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| <u>[</u> - | the percentage reduction in exposure that resulted. Photocomplete it separately for each process type and work are | a. |
|---------------|--|---|
|] | Process type Repackaging | |
| | Work area | Tank tarm, Loading Doc |
| | Equipment or Process Modification | Reduction in Worker Exposure Per Year (% |
| | None | |
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| PART | D PERSONAL PROTECT | TIVE AND SAFETY EQUIPMENT | | |
|-------------|--------------------|--|---|-----------------------|
| 9.14 CBI | in each work area | onal protective and safety equi in order to reduce or eliminat copy this question and complete | e their exposur | re to the listed |
| [_] | Process type | ··· Repackaging | | |
| ·, | Work area | ···· Nepachaging | | 1. 1. 1. 1. 1. |
| | work area | ••••••••••• | • | Loading Dock, Tank Fo |
| | | Equipment Types | Wear or Use (Y/N) | |
| | | Respirators | Y | |
| | | Safety goggles/glasses | | |
| | | Face shields | N | |
| | | Coveralls | <u>ν</u> ν | |
| | | | N | |
| | | Bib aprons | 1/ | |
| | | Chemical-resistant gloves | <u></u> | |
| | | Other (specify) | | |
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 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

| | process tyrespirator tested, as | s use respirators when yoe, the work areas whe rs used, the average used the type and frequential separately for each | re the respirat age, whether or cy of the fit t | ors are us | ed, the type espirators w | of ere fit |
|-----|---------------------------------|---|---|------------------------|-------------------------------|---|
| CBI | | | | | | |
| [_] | Process ty | ype ······ <u>Repackag</u> | ing | | · | |
| | Work Area | Respirator Type | Average Usage | Fit Tested (Y/N) | Type of Fit Test ² | Frequency of Fit Tests (per year) |
| | 9.1 | 5c BA | <u>D</u> | _ N | NA | NA |
| | 9.2 | 5CBA | D | | NA | <u>NA</u> |
| | | | | | | |
| | | aly a year (specify) following codes to designize | nate the type | of fit tes | t: | |

| PART | E WORK PRACTICES | | | | |
|--------------------|--|---|---|--|---|
| 9.19 <u>CBI</u> | Describe all of the work peliminate worker exposure authorized workers, mark a monitoring practices, provuestion and complete it s | to the listed su creas with warning vide worker train | bstance (e.g. g signs, inst ing programs, | , restrict en are worker det etc.). Phot | ntrance only to tection and tocopy this |
| [_] | Process type Repa | ckaging | | | |
| | Work area | | | Tank Fair | m, Loading Dock |
| | Restrict Enterance Only Warning Light Showin | to Authoriz g Loading o | ed Workers f Hazardous | Material | |
| | | | | | |
| 9.20 | Indicate (X) how often you leaks or spills of the lis separately for each process. Process type Report | sted substance. s type and work | Photocopy thi | | d complete it |
| | Housekeeping Tasks | Less Than Once Per Day | 1-2 Times Per Day | 3-4 Times Per Day | More Than 4 Times Per Day |
| | Sweeping | • | | | |
| | Vacuuming | | | | |
| | Water flushing of floors | | | | |
| | Other (specify) | | | | |
| | | | | | |
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| | | | | | |
| | Manife (W) Alde 1 and 5 | | ********** | | |
| ıı | Mark (X) this box if you a | itaen a continua | rion sueet. | | |

| | |
|-------------|---|
| 9.21 | Do you have a written medical action plan for responding to routine or emergency exposure to the listed substance? NA |
| | Routine exposure |
| | Yes 1 |
| | No 2 |
| | Emergency exposure |
| | Yes 1 |
| | No 2 |
| | If yes, where are copies of the plan maintained? |
| | Routine exposure: |
| | Emergency exposure: |
| | |
| 9.22 | Do you have a written leak and spill cleanup plan that addresses the listed substance? Circle the appropriate response. |
| | (Tes) |
| | No 2 |
| | If yes, where are copies of the plan maintained? Safety Coordinator Office |
| | Has this plan been coordinated with state or local government response organizations? Circle the appropriate response. |
| | Yes |
| | No 2 |
| 9.23 | Who is responsible for monitoring worker safety at your facility? Circle the appropriate response. \mathcal{NA} |
| | Plant safety specialist 1 |
| | Insurance carrier 2 |
| | OSHA consultant 3 |
| | Other (specify) 4 |
| | Mark (X) this box if you attach a continuation sheet. |
| | |

SECTION 10 ENVIRONMENTAL RELEASE

General Instructions:

Complete Part E (questions 10.23-10.35) for each non-routine release involving the listed substance that occurred during the reporting year. Report on all releases that are equal to or greater than the listed substance's reportable quantity value, RQ, unless the release is federally permitted as defined in 42 U.S.C. 9601, or is specifically excluded under the definition of release as defined in 40 CFR 302.3(22). Reportable quantities are codified in 40 CFR Part 302. If the listed substance is not a hazardous substance under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and, thus, does not have an RQ, then report releases that exceed 2,270 kg. If such a substance however, is designated as a CERCLA hazardous substance, then report those releases that are equal to or greater than the RQ. The facility may have answered these questions or similar questions under the Agency's Accidental Release Information Program and may already have this information readily available. Assign a number to each release and use this number throughout this part to identify the release. Releases over more than a 24-hour period are not single releases, i.e., the release of a chemical substance equal to or greater than an RQ must be reported as a separate release for each 24-hour period the release exceeds the RO.

For questions 10.25-10.35, answer the questions for each release identified in question 10.23. Photocopy these questions and complete them separately for each release.

| 10.01 | Where is your facility located? Circ | le all appropriate responses. |
|------------|--|--|
| <u>CBI</u> | | |
| [_] | Industrial area | ú |
| | Urban area | 2 |
| | Residential area | 3 |
| | Agricultural area | 4 |
| | Rural area | 5 |
| | Adjacent to a park or a recreational | area 6 |
| | Within 1 mile of a navigable waterway | 7 |
| | Within 1 mile of a school, university | , hospital, or nursing home facility 🔞 |
| | Within 1 mile of a non-navigable water | rway <u></u> |
| | Other (specify) | 10 |

| | Specify the exact location of your is located) in terms of latitude a (UTM) coordinates. | | | |
|--------------|---|--|--|--|
| | Latitude | | <u>64</u> ° 3 | 8 ' 30 ' |
| | Longitude | ••••• | 09°_2 | 9 ' 51 " |
| | UTM coordinates Zone | , North | ing, E | asting |
| 10.03 | If you monitor meteorological condithe following information. NA | ditions in the vicin | ity of your fac | ility, provide |
| | Average annual precipitation | | | inches/year |
| | Predominant wind direction | | | |
| 10.04 | Indicate the depth to groundwater | below your facility | . NA | |
| | Depth to groundwater | ••••• | | meters |
| | | | | |
| 10.05 CBI | For each on-site activity listed, listed substance to the environment Y, N, and NA.) | indicate (Y/N/NA) a nt. (Refer to the i | ll routine releans | ases of the a definition of |
| | listed substance to the environmen | nt. (Refer to the i | ll routine releanstructions for ironmental Relea | a definition of |
| CBI | listed substance to the environmen Y, N, and NA.) | nt. (Refer to the i Env | nstructions for ironmental Relea | a definition of ase Land |
| CBI | listed substance to the environment Y, N, and NA.) On-Site Activity | Env Air VA | ironmental Relea Water NA | a definition of ase Land VA |
| CBI | listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing | Env Air VA | nstructions for ironmental Relea <u>Water</u> | a definition of ase Land VA |
| CBI | listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing | Env Air VA | ironmental Relea Water NA | a definition of ase Land VA NA |
| CBI | listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing Processing | Env Air NA NA | ironmental Relea Water NA NA | a definition of Land VA NA |
| CBI | listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing Processing Otherwise used | Env Air NA NA | ironmental Relea Water NA NA NA | a definition of Land VA VA VA VA |
| CBI | listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing Processing Otherwise used Product or residual storage | Env Air NA NA NA NA Y Y Y | ironmental Releater Water NA NA NA NA NA NA NA NA | a definition of ase Land VA VA VA VA VA VA |
| CBI | listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing Processing Otherwise used Product or residual storage Disposal | Env Air NA NA NA NA NA NA NA NA NA N | ironmental Relea Water NA | a definition of Land VA VA VA VA VA VA VA VA VA V |
| CBI | listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing Processing Otherwise used Product or residual storage Disposal | Env Air NA NA NA NA NA NA NA NA NA N | ironmental Relea Water NA | a definition of Land VA VA VA VA VA VA VA VA VA V |

| 10.06 | Provide the following information for the listed substructs of precision for each item. (Refer to the instructs an example.) | bstance and spions for furth | pecify the level ner explanation and |
|-------|--|------------------------------|---|
| CBI | | | |
| [_] | Quantity discharged to the air | DK | kg/yr <u>+</u> |
| | Quantity discharged in wastewaters | 0 | kg/yr ± |
| | Quantity managed as other waste in on-site treatment, storage, or disposal units | 909 | kg/yr ± <u>5</u> |
| | Quantity managed as other waste in off-site treatment, storage, or disposal units | 0 | kg/yr <u>+</u> |
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| 10.08 <u>CBI</u> | for each process stream process block or residua and complete it separate | hnologies used to minimize release containing the listed substance as l treatment block flow diagram(s). ly for each process type. | identified in your | | | | | |
|---------------------|---|--|--------------------|--|--|--|--|--|
| [_] | Process type Repackaging | | | | | | | |
| | Stream ID Code | Control Technology | Percent Efficiency | | | | | |
| | 84 | None | NA NA | | | | | |
| | 8B | None | NA | | | | | |
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| 10.09 CBI | substance in residual tre | n terms of a : eatment block | - Identify each emission point source containing the listed Stream ID Code as identified in your process block or flow diagram(s), and provide a description of each point raw material and product storage vents, or fugitive emission |
|--------------|------------------------------|---------------------------------|--|
| [_] | sources (e.g | g., equipment ocess type. / | leaks). Photocopy this question and complete it separately ${\it VA}$ |
| | Process type | = <u>Rep</u> | ackaging |
| | Point Source ID Code | , | Description of Emission Point Source |
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| CBI | Identific | u III quest. | | completing | the Tollow | ing table. A | ··· (| |
|----------|-----------------------|----------------------|---------------|------------------------|------------|---|-----------------------|------|
| <u> </u> | Point Source ID | Stack | | Exhaust Temperature | | Building Height(m) | Building | Vent |
| | Code | <pre>Height(m)</pre> | <u>(m)</u> | (°C) | (m/sec) | Height(m) | Width(m) ² | Туре |
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| | ¹ Height o | of attached | or adjacent | building | | | | |
| | | | or adjacent l | | | | | |
| | | | | ignate vent | type: | | | |
| | H = Hori V = Vert | zontal | | | | | | |
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| 10.12 <u>CBI</u> | distribution for each Point Source | in particulate form, indicate the particle size ID Code identified in question 10.09. te it separately for each emission point source. |
|---------------------|------------------------------------|--|
| [_] | Point source ID code | |
| | Size Range (microns) | Mass Fraction (% \pm % precision) |
| | < 1 | |
| | ≥ 1 to < 10 | |
| | ≥ 10 to < 30 | |
| | ≥ 30 to < 50 | |
| | ≥ 50 to < 100 | |
| | ≥ 100 to < 500 | |
| | ≥ 500 | |
| | | Total = 100% |
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| | C FUGITIVE EMISSIONS | | | | | | |
|--------------|--|--|--|---|---|---|--|
| 10.13 CBI | Equipment Leaks Complet types listed which are exp according to the specified the component. Do this fo residual treatment block f not exposed to the listed process, give an overall p exposed to the listed subs for each process type. DK | osed to the l weight perces r each proces low diagram(s substance. I ercentage of | listed suent of these type is. Do not this itime per | bstance a e listed dentified ot includ s a batch year tha | nd which substance in your e equipme or inter t the pro | are in se passing process b nt types mittently cess type | rvice through lock or that are operated is |
| | • | | | | | | |
| [_] | Process type <u>hepack</u> Percentage of time per year | aging | | | | | |
| | Percentage of time per year type | r that the li | sted sub | stance is | exposed | to this p | rocess |
| | type | | | | | : | ^ |
| | | | | nents in : d Substan | | | |
| | | Less | OI BISCO | a babs tair | ce in iio | cess stre | Greater |
| | Equipment Type | than 5% | <u>5-10%</u> | <u>11-25%</u> | <u>26-75%</u> | <u>76-99%</u> | than 99% |
| | Pump seals ¹ | | | | | | |
| | Packed | | | | | | |
| | Mechanical | | | | | | |
| | Double mechanical ² | | | | | | |
| | Compressor seals ¹ | | | | | | |
| | Flanges | | | | | | |
| | Valves | | | | | | |
| | Gas ³ | | | | | | |
| | Liquid | | | | | | |
| | Pressure relief devices ⁴ (Gas or vapor only) | | | | | | |
| | Sample connections | | | | | | |
| | Gas | | | | | | |
| | Liquid | | | | | | |
| | Open-ended lines ⁵ (e.g., purge, vent) | | | | | | |
| | Gas | | | | | | |
| | Liquid | | | | | | |
| | ¹ List the number of pump an compressors | d compressor | seals, r | ather tha | n the nuπ | iber of pu | imps or |
| 10.13 | continued on next page | | | | | | |

| 10.13 | (continued) | | | |
|---------------------|--|--|--------------------------------------|--------------------------------------|
| | ² If double mechanical sead greater than the pump stu will detect failure of th with a "B" and/or an "S" | uffing box pressure a he seal system, the b | ınd/or equipped wi | th a sensor (S) that |
| | ³ Conditions existing in th | he valve during norma | al operation | |
| | ⁴ Report all pressure relie control devices | ef devices in service | e, including those | equipped with |
| | ⁵ Lines closed during norma operations | al operation that wou | ald be used during | maintenance |
| 10.14 <u>CBI</u> | Pressure Relief Devices wi pressure relief devices ic devices in service are cor enter "None" under column | dentified in 10.13 to atrolled. If a press | indicate which p | ressure relief |
| ·, | a. Number of | b. Percent Chemiçal | c. | d. Estimated |
| | Pressure Relief Devices | in Vessel ¹ | Control Device | Control Efficiency ² |
| | MANAGEM AND | | | |
| | | | | |
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| | | 44-5-1-A-1 | | |
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| | Refer to the table in ques heading entitled "Number o Substance" (e.g., <5%, 5-1 | of Components in Serv | d the percent rangice by Weight Perc | ge given under the cent of Listed |
| | ² The EPA assigns a control with rupture discs under n efficiency of 98 percent f conditions | ormal operating cond | itions. The EPA a | assigns a control |
| | Mark (V) this have if | | abaat | |
| ı_ı | Mark (X) this box if you at | tach a continuation | ancet. | |

| <u>CBI</u> | place, complete the procedures. Photocotype. NA | | | | | |
|------------|---|--|---------------------|----------------------|---|---|
| [_] | Process type | • | | | | |
| | Equipment Type | Leak Detection Concentration (ppm or mg/m³) Measured at Inches from Source | Detection Device | of Leak Detection | Repairs Initiated (days after detection) | |
| | Pump seals | | | | | |
| | Packed | | | | | |
| | Mechanical | | | | | |
| | Double mechanical | | | | | |
| | Compressor seals | | | | | |
| | Flanges | | | | | |
| | Valves | | | | CARTOCOTIC CO. | |
| | Gas | | | | | |
| | Liquid | | | | | |
| | Pressure relief devices (gas or vapor only) | | | | | |
| | Sample connections | | | | | |
| | Gas | | | | | |
| | Liquid | | | | | |
| | Open-ended lines | | | | | |
| | Gas | | | | | |
| | Liquid | | *** | | | *************************************** |
| | | | | | | |
| | ¹ Use the following co | des to designate d | etection de | vice: | | |
| | POVA = Portable orga FPM = Fixed point mo O = Other (specify) | nitoring | | | | |
| | | | | | | |
| | | | | | | |

| CBI | | | tment block | CTOM GTORICE | | | | | Operat- | • | | | | |
|-----|--|---|---|---|------------------------------------|--------------------------------|--|---|---|---|------------------------------------|-------------------------|------------------------------|-----------------------|
| [_] | Vessel Type¹ | | Composition of Stored Materials | Throughput (liters per year) | Vessel Filling Rate (gpm) | Vessel Filling Duration (min) | | | Volume | Vessel Emission Controls | Design Flow Rate | | Control Efficiency (%) | Basi for Estima |
| | F | N4 | 100% | DK | DK_ | _DK_ | DK | <u>85</u> | 40,000 | NA | N4 | 5 | NA | NA |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | - | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | F CIF NCIF EFR P H U | = Fixed ro = Contact = Nonconta = External = Pressure = Horizon = Undergro | internal floating role vessel (incal | pating roof floating roo oof licate presso | of are ratin | g) | MS1 MS2 MS21 LM1 LM2 LMW VM1 VM2 VMW | = Mech = Shoot R = Rim- = Liqu = Rim- = Wear = Vapot = Rim- = Wear | manical e-mounted id-mounted id-mounted ther ship or mounted ther ship | shoe, pried seconda d, seconda nted resil d shield deld ted resili d secondar deld | mary ry ient fil ent fil | lled seal, led seal, | primary | |
| | F CIF NCIF EFR P H U | = Fixed ro = Contact = Nonconta = External = Pressure = Horizon = Undergro ate weight | of internal floating role vessel (included all cound) percent of ating roofs | nating roof floating roo oof dicate presso the listed s | of are ratin substance | g) . Include | MS1 MS2 MS21 LM1 LM2 LMW VM1 VM2 VMW | = Mech = Shoo R = Rim = Liqu = Rim = Wear = Vapx = Rim = Wear | manical -mounted -mounted -mounted ther ship -mounted ther ship -mounted ther ship ille orga | shoe, pri ed seconda d, seconda nted resil d shield deld ted resili d secondar deld anic conte | mary ry ient fil ent fil y nt in p | lled seal, led seal, | primary primary | s: |
| | F CIF NCIF EFR P H U | = Fixed ro = Contact = Nonconta = External = Pressure = Horizon = Undergro ate weight than flow | of internal float internal floating role vessel (indical cumd | nating roof floating roo oof dicate presso the listed s | of are ratin substance | g) . Include : was desig | MS1 MS2 MS21 LM1 LM2 LMW VM1 VM2 VMW the total | = Mech = Shoot R = Rim- = Liqu = Rim- = Vapx = Rim- = Wear 1 volat: | manical a-mounted id-mounted ther ship amounted therefore there ship amounted there ship amounted therefore there ship amounted there | shoe, pri ed seconda d, seconda nted resil d shield deld ted resili d secondar deld anic conte | mary ry ient fil ent fil y nt in p | lled seal, led seal, | primary primary | S: |

| | list all | releases. NA | | , | attach a continua | 2 |
|-------|-------------|--------------------|--|-----------------|-------------------|---------------------|
| | Release | | ate arted | Time (am/pm) | Date Stopped | Time (am/pm) |
| | 1 | | | | | |
| | 2 | | | | | |
| | 3 | | | | | |
| | 4 | | | <u></u> | | |
| | 5 | | | | | |
| | 6 | | | | | |
| 10.24 | Specify t | he weather con | ditions at the | e time of each | release. NA | |
| | Release | Wind Speed (km/hr) | Wind Direction | Humidity(%) | Temperature(°C) | Precipitation (Y/N) |
| | 1 | | WATER AND A CONTROL OF THE PARTY OF THE PART | - | | |
| | | | | | | |
| | 2 | | | | | |
| | 2 3 | | | | | |
| | | | | | | |
| | 3 | | | | | |
| | 3 | | | | | |
| | 3 4 5 | | | | | |
| | 3 4 5 | | | | | |
| | 3 4 5 | | | | | |
| | 3 4 5 | | | | | |



Iowa City Plant 2500 Highway #6 East Iowa City, IA 52240

Attn: CAIR Reporting Office Document Processing Center Office of Jakie Substance, TS-790 U.S. Environmental Protection agences. HOI M Street, Sw Washington DC 20460



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